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**From:** Liao, Julie [JLiao@nas.edu]  
**Sent:** 4/4/2022 7:11:35 PM  
**To:** 'tnc3@cdc.gov' [tnc3@cdc.gov]; 'jeffrey.lejeune@fao.org' [jeffrey.lejeune@fao.org]; 'julius.fajardo@usda.gov' [julius.fajardo@usda.gov]; 'mtbrewer@uga.edu' [mtbrewer@uga.edu]; 'mervalin.morant@hq.dhs.gov' [mervalin.morant@hq.dhs.gov]; 'paige.waterman@usuhs.edu' [paige.waterman@usuhs.edu]; 'p.taylor@cabi.org' [p.taylor@cabi.org]; 'Sally Miller' [miller.769@osu.edu]; Jennings, Susan [Jennings.Susan@epa.gov]; 'ramanan@onehealthtrust.org' [ramanan@onehealthtrust.org]  
**CC:** Hammerberg, Justin [JHammerberg@nas.edu]; Ashby, Liz [EAshby@nas.edu]; Biffi, Claire [CBiffi@nas.edu]  
**Subject:** RE: Crop Agriculture + AMR Fungi Workshop Provisional Committee Meeting

Dear all,

This is a quick initial summary and action items from today's committee call, we will follow with the revised agenda later.

On the importance to expand the scope of fungicide application to include non-field crop use and post-harvest use, the committee would like to invite and hear from the following experts. **Please weigh in on the highlighted sections below to help inform the outreach to these potential speakers.**

Apr 13 afternoon, pending their availability:

- Pierce Paul (Ohio State Univ.) on why triazoles are needed, particularly in the context of mycotoxins and food safety [Sally]
- Tim Brenneman (Univ. Georgia) on peanut and pecan disease management, particularly waste and debris management [Marin]
- Potentially someone to speak on post-harvest use of fungicides on tree fruits? Melanie Ivey or Kerik Cox? [Sally or Marin]
- Potentially Wayne Jurik (USDA) to speak on molecular characterization of postharvest pathogens and their control? [Julius]
- Potentially invite Dawn Sievert (CDC) either to join as a discussant or, depending on the availability of other speakers, share what she knows from the AMR surveillance and coordination at CDC? [Tom or NASEM staff]
- **Proposed discussion focus:**
  - Informal discussion to inform the committee on fungicide use (growers usage and application, motivation or rationale for use)
  - Additional suggestion: ask about what is known about these application practices on pathogen resistance, and what are knowledge gaps in understanding efficacy to better inform use for agriculture purposes and also inform public health in terms of antifungal resistance concern
- **Proposed format:**
  - 5-10 topline presentation (informal, slides optional) on "what are the most important things that they think this committee should know about post-harvest use and resistance"?
  - 15-20 min breakout groups with one invited speaker/group, committee members ask questions to help inform agenda (e.g., proposed discussion focus above).
  - Reconvene. If there is time, staff from each room can give quick recap of discussion with committee members can confirm or add on as needed. If we run out of time, which in large part depend on the number of speakers we have, we will thank everyone and staff will convene offline to put together discussion summary to share with committee + invited speakers.

Apr 18 between 12-1 PM, or the next Monday (Apr 25) pending their availability:

- Gary Chastagner (Washington State Univ.) on ornamental bulbs industry in the US [Julius]
- Someone to speak on the ornamental bulb industry in Europe. Paul Verweij (Radboud Univ., Netherlands) can speak on the experience of fungicide resistance and antifungal resistant pathogens

from the human health perspective. But are we looking for a person to share on the use and processes within the bulb industry? [TBD]

Best,  
Julie L

**Julie Liao, PhD (she/her)**

Director, Forum on Microbial Threats  
Program Officer  
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**From:** Liao, Julie

**Sent:** Friday, April 1, 2022 7:30 PM

**To:** Hammerberg, Justin <[JHammerberg@nas.edu](mailto:JHammerberg@nas.edu)>; Ashby, Liz <[EAshby@nas.edu](mailto:EAshby@nas.edu)>; Biffl, Claire <[CBiffl@nas.edu](mailto:CBiffl@nas.edu)>; 'tnc3@cdc.gov' <[tnc3@cdc.gov](mailto:tnc3@cdc.gov)>; 'jeffrey.lejeune@fao.org' <[jeffrey.lejeune@fao.org](mailto:jeffrey.lejeune@fao.org)>; 'julius.fajardo@usda.gov' <[julius.fajardo@usda.gov](mailto:julius.fajardo@usda.gov)>; 'mtbrewer@uga.edu' <[mtbrewer@uga.edu](mailto:mtbrewer@uga.edu)>; 'mervalin.morant@hq.dhs.gov' <[mervalin.morant@hq.dhs.gov](mailto:mervalin.morant@hq.dhs.gov)>; 'paige.waterman@usuhs.edu' <[paige.waterman@usuhs.edu](mailto:paige.waterman@usuhs.edu)>; 'p.taylor@cabi.org' <[p.taylor@cabi.org](mailto:p.taylor@cabi.org)>; 'Sally Miller' <[miller.769@osu.edu](mailto:miller.769@osu.edu)>; 'jennings.susan@epa.gov' <[jennings.susan@epa.gov](mailto:jennings.susan@epa.gov)>; 'ramanan@onehealthtrust.org' <[ramanan@onehealthtrust.org](mailto:ramanan@onehealthtrust.org)>

**Subject:** RE: Crop Agriculture + AMR Fungi Workshop Provisional Committee Meeting

Dear all,

This is a quick reminder about the committee meeting on Monday. I know we only had a short window between the last call and the next, and hope we can pick up where we left off on Wednesday. I have attached the latest revision of the workshop agenda here.

Also, we received approval from the division level for this committee. The official posting onto the event page will likely take one business day to update. However, out of an abundance of caution from our division leadership to avoid even the perception of bias and interest from a funding agency, we were advise to slightly shuffle the committee leadership. Through discussion with our division director, we ended up recommending Paige to step in as a co-chair in place of Tom, while Tom will continue to contribute to the committee as a member. I want to make clear that this is not a reflection in any way on his experience or capabilities. It is always important to put in guardrails from the start to avoid the committee's work from potentially viewed by the public as influenced by specific interests, and the CDC as a whole has funded AMR-related awards. This was a misjudgment on my part at the start. I hope everyone understands this shuffle, and I appreciate Paige graciously agreeing to take up this role to support the committee's work going forward.

As I mentioned in our first call, with the committee's approval, I will be conducting an off-line COI and bias discussion. I am sharing a collection of everyone's short biosketch (from the background information form that everyone filled out). Please review this and let me know via email in the next 1-2 weeks if you have any:

- Concerns about the collective composition or balance of the committee that could compromise this work
- Suggestions on areas of expertise, experience, or perspectives that should be added to help achieve the group's goals
- Disclosure of any strongly held view or relevant interests

I will put together a COI discussion memo based on everyone's comments and a review of the COI forms that you have all completed. We will address any concerns that are flagged and submit the final memo for our institutional awareness. All of the COI information will remain confidential and will be destroyed after the final memo is submitted. We do not keep permanent records of your COI information.

Please let me know if you have any questions or concerns.

Best,

Julie L

**Julie Liao, PhD (she/her)**

Director, Forum on Microbial Threats

Program Officer

Board on Global Health | Health and Medicine Division

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-----Original Appointment-----

**From:** Hammerberg, Justin <[JHammerberg@nas.edu](mailto:JHammerberg@nas.edu)>

**Sent:** Wednesday, March 30, 2022 9:51 AM

**To:** Hammerberg, Justin; Liao, Julie; Ashby, Liz; Biffl, Claire; 'tnc3@cdc.gov'; 'jeffrey.lejeune@fao.org'; 'julius.fajardo@usda.gov'; 'mtbrewer@uga.edu'; 'mervalin.morant@hq.dhs.gov'; 'paige.waterman@usuhs.edu'; 'p.taylor@cabi.org'; 'Sally Miller'; 'jennings.susan@epa.gov'; 'ramanan@onehealthtrust.org'

**Subject:** Crop Agriculture + AMR Fungi Workshop Provisional Committee Meeting

**When:** Monday, April 4, 2022 12:00 PM-1:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:**

Hi all,

Please hold this time for a recurring Crop Agriculture + AMR Fungi Workshop Provisional Committee Meeting. To connect, please see the Zoom information below. Thank you!

Justin Hammerberg

Senior Program Assistant, Forum on Microbial Threats

Board on Global Health

The National Academies of Sciences, Engineering and Medicine

500 Fifth Street NW

Washington, DC 20001

Topic: Crop Agriculture + AMR Fungi Workshop: Committee Meeting

Time: Apr 4, 2022 12:00 PM Eastern Time (US and Canada)

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